ABSTRACT

The present invention provides a chemiluminescent composition including an oxalate and a fluorescent material wherein the chemiluminescent composition is mixed with a composition including hydrogen peroxide to induce chemiluminescence. The chemiluminescent composition comprises a solvent for the oxalate and the fluorescent material, which includes an acetyl citrate ester or an organic solvent containing an acetyl citrate ester. As an alternative to dibutyl phthalate which is suspected to be one of endocrine disrupting chemicals, the solvent of the present invention can assure safety to human body while maintaining excellent storage stability and luminescent performance.